

**WHAT IS CLAIMED IS:**

1. A method in a communication network for isolating a communication device, the method comprising:  
5 receiving a call from the communication device;  
determining whether a characteristic of the call is undesirable;  
terminating the call;  
disabling the communication device from establishing a new call upon  
determining the characteristic of the call is undesirable; and  
10 de-registering the communication device.
2. The method of claim 1, wherein determining whether a characteristic of the call is undesirable includes monitoring the call for the duration of the call.  
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3. The method of claim 1, wherein determining whether the characteristic of the call is undesirable includes at least one of:  
evaluating a pattern of the call from the communication device; and  
comparing the characteristic of the call to a predetermined undesirable  
20 characteristic.
4. The method of claim 1, wherein:  
the call comprises a plurality of call sessions, and  
terminating the call includes terminating one call session of the  
25 plurality of call sessions.
5. The method of claim 1, further comprising:  
transmitting a message indicative of the call having an undesirable  
characteristic to the communication device upon determining the characteristic  
30 of the call is undesirable.

6. The method of claim 5, wherein the message includes at least one of:  
a cause value indicative of the undesirable characteristic of the call;  
an instruction to remediate the communication device; and  
a mechanism designed to remediate the communication device.
- 5 7. The method of claim 1, wherein disabling the communication device  
from initiating a new call includes transmitting a disabling message to the  
communication device.
- 10 8. The method of claim 1, wherein de-registering the communication  
device includes maintaining a de-registration list having an identification of  
the communication device.
9. The method of claim 1, further comprising:  
15 redirecting the call to a remediation center,  
wherein the remediation center is designed to remediate the  
communication device.
10. The method of claim 9, wherein redirecting the call to the remediation  
20 center by at least one of:  
providing an instruction to connect to the remediation center; and  
establishing a communication between the communication device and  
the remediation center.
- 25 11. The method of claim 1, further comprising:  
restricting the de-registered communication device in establishing  
communication to a predetermined limited set of destinations upon  
determining the characteristic of the call is undesirable.

12.           The method of claim 11, wherein the predetermined limited set of destinations includes at least one of:
- an emergency service provider, and
- a remediation center,
- 5                wherein the remediation center is designed to remediate the communication device.

13. A communication network configured to isolate a communication device, the network comprising:
- a register configured to register an identification of a communication device authorized to access the communication network;
  - 5 a receiver coupled to the register, the receiver configured to receive a call from the communication device;
  - a call characterizer coupled to the receiver, the call characterizer configured to determine whether a characteristic of the call is undesirable; and
  - a transmitter coupled to the call characterizer, the transmitter
  - 10 configured to transmit a disabling message to the communication device if the call characterizer determines the characteristic of the call is undesirable,
  - wherein the disabling message is configured to prevent the communication device from establishing a new call.
- 15 14. The communication network of claim 13, wherein the register is further configured to de-register the identification of the communication device if the call characterizer determines the characteristic of the call is undesirable.
- 20 15. The communication network of claim 13, further comprising:
- a de-registration register coupled to the call characterizer and to the register, the de-registration register configured to maintain the identification of the communication device if the call characterizer determines the
  - 25 characteristic of the call is undesirable.
16. The communication network of claim 13, further comprising:
- a call re-director coupled to the call characterizer, the call re-director configured to re-direct the call to a remediation center if the call characterizer determines the characteristic of the call is undesirable,
  - 30 wherein the remediation center is configured to remediate the communication device.

17.           The communication network of claim 13, wherein the call characterizer is further configured to evaluate a pattern of the call from the communication device.
- 5   18.           The communication network of claim 13, wherein the call characterizer is further configured to compare the characteristic of the call to a predetermined undesirable characteristic.
- 10   19.           The communication network of claim 13, wherein the transmitter is further configured to transmit a notification indicative of the call having an undesirable characteristic if the call characterizer determines the characteristic of the call is undesirable.
- 15   20.           The communication network of claim 19, wherein the notification includes at least one of:  
                  an instruction to remediate the communication device; and  
                  a mechanism designed for the communication device to remediate a cause of the undesirable characteristic of the call.
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21.           The communication network of claim 13, wherein the disabling message is further configured to allow the communication device to initiate a call if the call is directed to one of a predetermined limited set of destinations.
- 25   22.           The communication network of claim 21, wherein the predetermined limited set of destinations includes at least one of:  
                  an emergency service provider; and  
                  a remediation center,  
                  wherein the remediation center is configured to remediate the
- 30   communication device.

23. A method in a communication network for remediating a communication device, the method comprising:
- receiving a call from the communication device;
  - determining whether a characteristic of the call is undesirable;
  - 5 terminating the call;
  - redirecting the call to a remediation center upon determining the characteristic of the call is undesirable;
  - de-registering the communication device; and
  - allowing the communication device to re-register upon completion of
  - 10 remediation,
  - wherein the remediation center is designed to remediate the communication device.
24. The method of claim 23, wherein:
- 15 the call comprises a plurality of call sessions, and
  - terminating the call by terminating one call session of the plurality of call sessions.
25. The method of claim 23, further comprising:
- 20 restricting the communication device in establishing communication to a predetermined limited set of destinations upon determining the characteristic of the call is undesirable.
26. The method of claim 25, wherein the predetermined limited set of
- 25 destinations include at least one of:
  - an emergency service provider; and
  - the remediation center.

27.           The method of claim 23, wherein redirecting the call to the remediation center by at least one of:  
                providing an instruction to connect to the remediation center; and  
                establishing a communication between the communication device and  
5           the remediation center.
28.           The method of claim 23, further comprising:  
                transmitting a message to the communication device upon determining  
                the characteristic of the call is undesirable, wherein the message includes at  
10           least one of:  
                an indication of the call having an undesirable characteristic; and  
                a notification of the call being redirected to the remediation center.
29.           The method of claim 23, further comprising:  
15           transmitting a notification of completion of remediation to the  
                communication device upon completion of remediation of the communication  
                device.

30.           A method in a communication device for remedying the communication device, the method comprising:  
                  transmitting a call having a predetermined characteristic;  
                  receiving a remediation process message indicative of a remediation  
5           process designed to remedy the communication device in response to  
                  transmitting the call having the predetermined characteristic; and  
                  executing the remediation process.
31.           The method of claim 30, further comprising:  
10           terminating the call in response to transmitting the call having the  
                  predetermined characteristic.
32.           The method of claim 31, wherein:  
                  the call comprises a plurality of call sessions, and  
15           terminating the call by terminating one call session of the plurality of  
                  call sessions.
33.           The method of claim 30, wherein the remediation process message  
includes at least one of:  
20           a notification of the transmission of the call having the predetermined  
                  characteristic;  
                  a cause value corresponding to the predetermined characteristic of the  
                  call;  
                  a notification of the remediation process;  
25           an instruction to connect to a remediation center; and  
                  a remediation program designed to remedy a cause of the  
                  predetermined characteristic.



34. The method of claim 33, wherein executing the remediation process by at least one of:
- executing the remediation program included in the remediation process message;
  - 5 re-directing the call to a remediation center, wherein the remediation center is designed to remedy the communication device;
  - restricting establishing communication to a predetermined limited set of destinations.
- 10 35. The method of claim 34, wherein the predetermined limited set of destinations includes at least one of:
- an emergency service center, and
  - the remediation center.

36. A communication device configured to remedy the communication device, the communication device comprising:

a processor configured to provided a plurality of characteristics to a call;

5 a transmitter coupled to the processor, the transmitter configured to transmit a call having a characteristic of the plurality of the characteristics provided by the processor;

a remediation message receiver coupled to the processor, the remediation message receiver configured to receive a remediation message if  
10 the transmitted call is determined to have a predetermined characteristic; and

a remediation processor coupled to the remediation message receiver and to the processor, the remediation processor configured to execute an instruction according to the remediation message,

wherein the remediation message is designed to enable the  
15 communication device to transmit a subsequent call without having the predetermined characteristic..

37. The communication device of claim 36, wherein the remediation message includes at least one of:

20 an acknowledgement of the transmission of the call having the predetermined characteristic;

a cause value corresponding to the predetermined characteristic of the call;

a remediation program designed to remedy the communication device;  
25 and

a re-direction of the call to a remediation center, the remediation center configured to remedy the communication device.